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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Paivi Pukkila

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EXAMINER

FERGUSON, KEITH

ART UNIT

PAPER NUMBER

2683

DATE MAILED: 09/11/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/510,517

Applicant(s)

PUKKILA ET AL.

Examiner

Keith T. Ferguson

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 February 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

Art Unit: 2683

**DETAILED ACTION**

***Claim Rejections - 35 USC § 112***

1. Claims 21-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite in that it fails to point out what is included or excluded by the claim language. This claim is an omnibus type claim.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-10,12,16,18-20 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Allard et al. (0651543A2).

The claimed invention reads on Allard et al. as follows:

Regarding claims 1,7,9 and 10, Allard et al. Discloses a handset (fig. 1) comprising: a user interface comprising an input (page 2, bottom left column "57" lines 1-5), a display for presenting an item (page 2, bottom left column "57" lines 1-5), and selection means coupled to the input for selecting an item presented on the display (page 2, bottom left column "57" lines 1-5); means for defining a first boundary in one display direction (col. 8 lines 25-26); means for defining a second boundary in a further display direction (col. 8 lines 27-31); means for providing a contracted (reduce) version of an item which fits within the first and second boundaries (col. 8 lines 47-51); and means for providing a corresponding expanded version

Art Unit: 2683

of the item which fits within the first boundary and expands in the further display direction (col. 8 lines 47-51); control means (page 4, col. 4 lines 16-18), coupled to the selection means (page 4, col. 4 lines 16-49), expanded version is provision means and contracted version provision means (page 6, col. 6 lines 48-51), for controlling operation of the display to present the contracted or expanded version of the item (page 6, col. 6 lines 48-51); wherein when the contracted version of the item is presented on the display and selected by the selection means (fig. 6 number 142), the control means controls the operation of the display to present the corresponding expanded version (fig. 6 number 142 and col. 8 lines 15-31).

Regarding claim 2, Allard et al. discloses the direction of the width of the display (fig. 6 number 142 and col. 8 lines 15-31).

Regarding claim 3, Allard et al. discloses the first boundary is defined by the width of the display (fig. 6 number 142 and col. 8 lines 15-31).

Regarding claim 4, Allard et al. discloses the second boundary is defined by the depth of a display line (fig. 6 number 142 and col. 8 lines 15-31).

Regarding claims 5 and 6, Allard et al. discloses first display/ first boundary is the direction of the depth of the display (fig. 6 number 142 and col. 8 lines 15-31).

Regarding claim 8, Allard et al. discloses the item is truncated (fig. 5 number 158).

Regarding claim 12, Allard et al. discloses key means ((fig. 4 number 120).

Regarding claim 16, Allard et al. discloses navigation means (col. 6 lines 8-15).

Art Unit: 2683

Regarding claim 18, Allard et al. discloses a user defined item (telephone number) and the handset comprises means for storing it (address book) (col. 6 lines 39-43 and fig. 4 number 28).

Regarding claim 19, Allard et al. discloses a radio receiver for receiving an item (fax) and for forwarding the item to the contracted and expanded version (abstract).

Regarding claim 20, Allard et al. discloses the item is one of a selection of items to presented together on the display (fig. 6 number 142).

Regarding claim 24, Allard et al. discloses a handset (fig.1) comprising: a user interface comprising an input (page 2, bottom left column "57" lines 1-5), a display (page 2, bottom left column "57" lines 1-5), and selection means coupled to the input for selecting an item to be presented on the display (page 2, bottom left column "57" lines 1-5); means for providing an expanded version of an item (page 3 left column, lines 12-17); means for providing a corresponding contracted version of the item to fit within a predetermined portion of the display (page 6, col. 6 lines 48-51); and control means (page 4, col. 4 lines 16-18), coupled to the selection means (page 4, col. 4 lines 16-49), expanded version provision means and contracted version means (page 6, col. 6 lines 48-51), for controlling operation of the display to present the contracted or expanded version of the item (page 6, col. 6 lines 48-51); wherein , the contracted version of the item is presented on the display and selected by the selected means (page 6, col. 6 lines 48-51), the control means controls the operation of the display to replace the contracted version with the corresponding expanded version (page 6, col. 6 lines 48-58).

Art Unit: 2683

*Claim Rejections - 35 USC § 103*

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this

Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Allard et al. in view of Thompson.

Allard et al. discloses a handset as discussed supra in claims 1 and 10 above. Allard et al. differs from claim 11 of the claimed invention in that it do not disclose voice recognition means. Thompson teaches voice recognition means (col. 11 lines 45-60). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Allard et al. with voice recognition means for selecting items to be presented on the display without entering items using keys which saves time, as taught by Thompson.

6. Claims 13-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Allard et al. in view of Thompson as applied to claims 1,10,12 above and in further view of Cushman et al..

Regarding claims 13 and 14, the combination of Allard et al. and Thompson differs from claims 13 and 14 of the claimed invention in that they do not disclose a cursor controlled by

Art Unit: 2683

key means for selecting the item with a further stroke key. Cushman et al. teaches a cursor controlled by key means for selecting the item with a further stroke key (col. 3 lines 50-55). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the combination of Allard et al. and Thompson with a cursor controlled by key means for selecting the item with a further stroke key in order to scroll through a menu using a up/down feature to view address book telephone numbers, as taught by Cushman et al..

Regarding claim 15, the combination of Allard et al. and Thompson differs from claim 15 of the claimed invention in that they do not disclose selection means selects an item identified by the cursor for a predetermined period. Cushman et al. teaches selection means selects an item identified by the cursor for a predetermined period (col. 4 lines 20-29). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the combination of Allard et al. and Thompson with selection means selects an item identified by the cursor for a predetermined period in order to stroll through images stored in memory to be displayed, as taught by Cushman et al..

Art Unit: 2683

1. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Allard et al. in view of Nishiyam et al..

Allard et al. discloses a handset as discussed supra in claims 1,12,10 and 16. Allard et al. differs from claim 17 of the claimed invention in that it do not disclose a scroll key, such as a roller key. Nishiyam et al. teaches a scroll key, such as a roller key (fig. 1 number 8). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide Allard et al. with a scroll key, such as a roller key in order to move up and down the display in order to select an item ~~such as fax or telephone directory~~, as taught by Nishiyam et al..

### **Conclusion**

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Schroeder et al. (U.S. Patent 6,405,060) discloses an user interface with orientation keys (fig. 1a number 7). Schneider-Hufschmidt (U.S. Patent 6,298,230) discloses a radio with a navigator key (fig. 1 number 4). Molne (U.S. Patent 6,243,080) discloses a touch sensitive panel with a navigator cursor (fig. 1 number 18).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Keith T. Ferguson whose telephone number is (703) 305-4888. The examiner can normally be reached on 6:30am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be




Art Unit: 2683

reached on (703) 308-5318. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Keith Ferguson *KF*  
Art unit 2683  
September 4, 2002

  
WILLIAM TROST  
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